

8-15-06



08-18-2006



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Form PTO-1595  
(Rev. 10/02)  
OMB No. 0651-0027 (exp. 6/30/2005)

U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

Attorney Docket No. 843.44318X00

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
Taizo YAMAWAKI  
Hisayoshi KAJIWARA  
Ryoichi TAKANO  
Patrick WURM

2. Name and address of receiving party(ies)  
Name: (1) **RENEAS TECHNOLOGY CORP.**  
**4-1, Marunouchi 2-chome,**  
**Chiyoda-ku, Tokyo, Japan**

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

(2) **TTPCom Limited**  
**Melbourn Science Park**  
**Cambridge Road, Melbourn Royston,**  
**Hertfordshire SG8 6EE United Kingdom**

3. Nature of conveyance/ Execution Date: July 14, 2004; July 21, 2004; August 2, 2004; July 18, 2004.

- ☐ Assignment
- ☐ Security Agreement
- ☐ Joint Research Agreement
- ☐ Government Interest Assignment
- ☐ Executive Order 9424, Confirmatory License

- ☐ Merger
- ☐ Change of Name

☒ Other **CORRECTED ASSIGNMENT--- The Execution dates were incorrect for the 2nd, 3rd, and 4th Inventors on the previous Notice of Recordation.**

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent Registration No.(s)

**10/509,753**

Additional number(s) attached ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: **ANTONELLI, TERRY, STOUT & KRAUS, LLP**

Internal Address:

**1300 NORTH 17<sup>TH</sup> STREET - SUITE 1800**

City: **ARLINGTON** State: **VA** Zip **22209**

Phone Number: (703) 312-6600  
Facsimile Number: (703) 312-6666  
Email Address: **email@antonelli.com**

6. Total number of applications and patents involved **1**

7. Total fee (37 CFR 3.41)..... \$

- ☐ Authorized to be charged by credit card
- ☐ Authorized to be charged to deposit account
- ☐ Enclosed
- ☐ None required (government interest not affecting title)

8. Payment Information:

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9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

**Melvin Kraus, Reg. #22, 466**

Name of Person Signing

Signature

**August 15, 2006**

Date

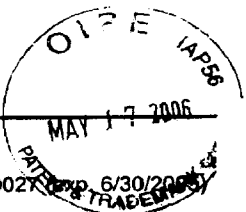
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Form PTO-1595  
(Rev. 10/02)  
OMB No. 0651-0027



05-22-2006



103242119

U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office  
**Attorney Docket No. 843.44318X00**  
ached original documents or copy thereof.

To the Honorable Commissioner:

1. Name of conveying party(ies):  
Taizo YAMAWAKI  
Hisayoshi KAJIWARA  
Ryoichi TAKANO  
Patrick WURM  
  
Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)  
Name: (1) **Renesas Technology Corp.**  
4-1, Marunouchi 2-chome,  
Chiyoda-ku, Tokyo, Japan  
  
(2) **TTPCom Limited**  
Melbourn Science Park  
Cambridge Road, Melbourn Royston,  
Hertfordshire SG8 6EE United Kingdom

3. Nature of conveyance/ Execution Date: **July 14, 18, 21, 2004;**  
**August 2, 2004.**  
  
☐ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☒ Other **CORRECTED ASSIGNMENT -- Errors were still found in the Execution Date of the 4th Inventor and also 2<sup>nd</sup> Assignee's address on previous Cover Sheet and Not of Recordation. (see copy)**

Street Address:  
  
Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s): ☐ This document is being filed together with a new application.  
A. Patent Application No.(s)  
10/509,753  
B. Patent Registration No.(s)  
  
Additional number(s) attached ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:  
  
Name: **ANTONELLI, TERRY, STOUT & KRAUS, LLP**  
  
Internal Address:  
  
**1300 NORTH 17<sup>TH</sup> STREET - SUITE 1800**  
  
City: **ARLINGTON** State: **VA** Zip **22209**  
  
Phone Number: (703) 312-6600  
Facsimile Number: (703) 312-6666  
Email Address: email@antonelli.com

6. Total number of applications and patents involved **1**  
  
7. Total fee (37 CFR 3.41)..... **\$40.00**  
  
☐ Authorized to be charged by credit card  
☒ Authorized to be charged to deposit account  
☒ Enclosed  
☐ None required (government interest not affecting title)  
  
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a. Credit Card Last 4 numbers:  
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b. Deposit account number: 01-2135  
05/18/2006 MBEYENE2 00000147 10509753  
  
Authorized User Name: 01 FD:8621 40.00 DP

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9. Statement and signature.  
*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*  
  
William Solomon, Reg.#28,565  
Name of Person Signing  
  
  
Signature  
  
May 17, 2006  
Date  
  
Total number of pages including cover sheet, attachments, and document: **10**

# ASSIGNMENT

( 議 渡 証 )

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to Taizo YAMAWAKI, Hisayoshi KAJIWARA, Ryoichi TAKANO and Patrick WURM, citizens of Japan by Renesas Technology Corp., and TTPCom Limited, corporations organized under the laws of Japan, located at 4-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo, Japan, and Melbourn Science Park Cambridge Road Melbourn Royston, Hertfordshire SG8 6EE United Kingdom respectively, receipt of which is hereby acknowledged, we, the said Taizo YAMAWAKI, Hisayoshi KAJIWARA, Ryoichi TAKANO and Patrick WURM, do hereby sell and assign to said Renesas Technology Corp., and TTPCom Limited, their successors and assigns, all our right, title and interest, in and for the United States of America, in and to

## TRANSMITTER AND WIRELESS COMMUNICATION APPARATUS USING THE TRANSMITTER

Invented by us and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said Renesas Technology Corp., and TTPCom Limited, their successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made;

And we hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And we do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Renesas Technology Corp., and TTPCom Limited.

Signed on the date(s) indicated aside signatures:

INVENTOR(S)

(発明者フルネームサイン)

Date Signed

(署名日)

1) Taizo Yamawaki (Taizo YAMAWAKI)

07/14/2004

2) Hisayoshi Kajiwara (Hisayoshi KAJIWARA)

07/21/2004

3) Ryoichi Takano (Ryoichi TAKANO)

8/2/2004

4) \_\_\_\_\_ (Patrick WURM)

5) \_\_\_\_\_

6) \_\_\_\_\_

7) \_\_\_\_\_

PATENT

REEL: 018212 FRAME: 0961

## ASSIGNMENT

( 譲渡証 )

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to Taizo YAMAWAKI, Hisayoshi KAJIWARA, Ryoichi TAKANO and Patrick WURM, citizens of Japan by Renesas Technology Corp., and TTPCom Limited, corporations organized under the laws of Japan,

located at 4-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo, Japan, and Melbourn Science Park Cambridge Road Melbourn Royston, Hertfordshire SG8 6EE United Kingdom respectively,

receipt of which is hereby acknowledged, we, the said Taizo YAMAWAKI, Hisayoshi KAJIWARA, Ryoichi TAKANO and Patrick WURM,

do hereby sell and assign to said Renesas Technology Corp., and TTPCom Limited,

their successors and assigns, all our right, title and interest, in and for the United States of America, in and to

### TRANSMITTER AND WIRELESS COMMUNICATION APPARATUS USING THE TRANSMITTER

invented by us and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said Renesas Technology Corp., and TTPCom Limited,

their successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made;

And we hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And we do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Renesas Technology Corp., and TTPCom Limited.

Signed on the date(s) indicated aside signatures:

INVENTOR(S)

(発明者フルネームサイン)

Date Signed

1) \_\_\_\_\_ (Taizo YAMAWAKI)

2) \_\_\_\_\_ (Hisayoshi KAJIWARA)

3) \_\_\_\_\_ (Ryoichi TAKANO)

4)  \_\_\_\_\_ (Patrick WURM)

5) \_\_\_\_\_

6) \_\_\_\_\_

7) \_\_\_\_\_

\*  
(See Attached Pages)  
→  
→

PATENT

REEL: 018212 FRAME: 0962

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# Japanese Language Declaration (日本語宣言書)

委任状： 私は下記の発明者として、本出願に関する一切の手続きを米特許商標局に対して遂行する弁理士または代理人として、下記の者を指名いたします。(弁護士、または代理人の氏名及び登録番号を明記のこと)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith (list name and registration number)

Donald R. Antonelli, Reg. No. 20,296; David T. Terry, Reg. No. 20,178; Melvin Kraus, Reg. No. 22,466; William I. Solomon, Reg. No. 28,565; Gregory E. Montone, Reg. No. 28,141; Ronald J. Shore, Reg. No. 28,577; Donald E. Stout, Reg. No. 26,422; Alan E. Schiavelli, Reg. No. 32,087; James N. Dresser, Reg. No. 22,973 and Carl I. Brundidge, Reg. No. 29,621

## 書類送付先

## Send Correspondence to:

Antonelli, Terry, Stout & Kraus, LLP  
Suite 1800  
1300 North Seventeenth Street  
Arlington, Virginia 22209

## 直接電話連絡先：(氏名及び電話番号)

## Direct Telephone Calls to: (name and telephone number)

Telephone: (703) 312-6600  
Fax: (703) 312-6666

唯一または第一発明者	Full name of sole or first inventor Taizo YAMAWAKI
発明者の署名	Inventor's signature <i>Taizo Yamawaki</i>
日付	Date 07/14/2004
住所	Residence Kokubunji, Japan
国籍	Citizenship Japan
私書箱	Post Office Address c/o Hitachi, Ltd., Central Research Laboratory, 280, Higashikoigakubo 1-chome, Kokubunji-shi, Tokyo 185-8601 Japan

(第二以降の共同発明者についても同様に記載し、署名をすること)

(Supply similar information and signature for second and subsequent joint inventors.)